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r	Fraud	of info ghts		Summary	Details	Citation	Source 201	7-7 NRC Petition
								11
				Scans were supposed to be used to pick soil sample locations with				
				highest scan values, but in late 2008 began sampling 5-10 ft away				
				where scans showed low levels. But these sometimes were still	less likely to be			
				above release criteria and would still need to be further	found using K-			
1	11	1	1	remediated.	40 comparisons	Main text p. 11-12, Exhi	11	1
1	12	4						
				Took false samples from far away: 1) sewer trench in front of 500				
				series bldgs, 2) former theatre building, 3) near Bldg 521 under two	l			
2	12	1		palm trees	Matched faked	s Main text, pp. 12-13	11	1
				Beginning in 2010 while working near Bldg 707 and later 500 series				
				buildings, Took false samples from far away: 1) First sewer trench				
				in front of 500 series bldgs, 2) former theatre building, 3) near Bldg				
2	12	4		521 under two palm trees	Matched faked	s Main text, pp. 12-13	11	1
				Starting mid-2008 false soil sampling. Smith said trench				
				confirmation soil substitution happened "pretty much every day"				
				over at least the last 1.5 yrs he worked there. Total 800-1,000				
				false samples [he left 9/2012]. "After the Bldg 351A and Parcel A				
				cover ups, fraudulent sampling became a regular occurrence for				
				me and the teams In this early period of 2009-2010, when				
				post-remediation sampling was to be done, more and more Mr.				
				Rolfe told me and the other HPs to cheat and take false soil				
3	10	4	1	samples."		,Main text p. 13, Exhibit	11	1
				Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E,				
				Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 80,				
4	12	2	1	Parcel C		Main text, p. 14	11	1
				fraudulent practices escalated after contract changed from time-				
5	12	4		and-materials to firm fixed-price		Main Text, p. 14	11	1
				Fraudulent trench soil confirmation sampling was associated with				
				Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin				
6	12	3		Hubbard,		Main text, pp. 13-14	11	1
				Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample				
				(some of the highest radioactive readings ever seen on the site)				
				and chain of custody record and marked location clean. Replaced				
_		_		with new samples from areas in the crawl space known to be				
7	21	1		clean.	Bidg previously	u Main text,pp. 15-16, Exh	11	1

				Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl			
8	21	3		DeLong, Brian Henderson	Main text,pp. 15-16, Exh	11	1
9	21	2		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample	Main text,pp. 15-16	11	1
9	21	4		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample	Main text,pp. 15-16	11	1
10	22	1		2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and never filled out chain-of-custody form	Main text, pp. 16-17	11	1
10	22	4		July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and chain of custody	Main text, pp. 16-17	11	1
11	22	2		Location Fisher & Spear Ave. behind wall uphill 6 inches deep Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff	Main text, pp. 16-17	11	1
12	22	3		Rolfe, Ray Roberson, Carey Bell 2009 fencing found to be contaminated but staff told to hide result	Main text, pp. 16-17	11	1
13	23	1		and delete data in "Access" computer system Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole,	Main text, p.17-19	11	1
14	23	3		Bob Evans, Charles Taylor, Rhonda Richardson,	Main text, p.17-19	11	1
15	30	1	1	summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down on the ground and let it count." "On numerous occasions occasions my crew and I were instructed by Steve Rolfe to 'just get numbers,' which we would do by simply holding the 2360 dedector in the same spot, or setting it down in one spot for up to 30 minutes while the readings were recorded."	Main text p. 19-20, Exhil	11	1
				summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building footprints throughout the 500 series and buildings 351, 351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145,			
16	30	2	1	130, 439, 366, 813, and possibly building 203 Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick	Main text p. 19-20, Exhi	11	1
17	30	3		Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson When downloading data from Ludlum 2350, Tetra Tech staff changed numbers. Also for Ludlum 2360 (alpha and beta).	Main text p. 19-20, , Exh	11	1
18	40		1	Zahensky took a computer home to change scan results overnight. Results were delivered a day late.	Main text pp. 21-22	11	1
45	40	4		2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (Smith) p. 12	11	1

46	30	1	1	2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (Smith) p. 12	11	1
				Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin	, ,,		
				Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,			
19	40	3	1	Phil Smith	Main text pp. 21-22	11	1
				Early to July 2006 Conveyor belt scanning excavated fill ran too fast and silenced sensor alarms so would not have caught			
20	51	1	1	contamination in tens of thousands of CY soil	Main text pp. 23-25	11	1
20	31	_	-	containination in tens of thousands of er son	Wall text pp. 23 23	11	_
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area	Main text pp. 23-25	11	1
				Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell,			
22	51	3		Mike Wilson, Gary Wilson, Jane Taylor	Main text pp. 23-25	11	1
22	52	1	1	Orders were given to take samples "from anywhere" instead of	Main tout n 20	11	1
23	52	1	1	from the proper Radiation Screening Yard (RSY) samples Unqualified workers who did not understand health risks of	Main text p. 28	11	1
				exposures could have been exposed, swung detectors too high and			
24	53	1	1	too fast	Main text pp. 27-28 and	11	1
				Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha	• •		
25	52	3		Taylor, Kari Guidry, Thorpe Miller, Bryan White	Main text, pp. 26-28, Exl	11	1
				Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil			
		_		removed. 10 CY of soil were remediated as containing radioactive			
26	52	2		and chemical contamination.	Main text, p. 29, and Exl	11	1
				RSY samples collected in locations that intentionally avoided the high radioactivity locations and were allowed to be reused as			
27	52	1	1	backfill.	Main text, p. 29	11	1
_,	32	-	-	DOCKIII.	(Maii) (CAC, p. 23		-
				2011 trucks with soil from RSY pads frequently failing portal			
				monitor screening. In September, 2011, the sensitivity was			
28	60	1	1	reduced by 2/3 and discontinued hand-scanning.	All 37 truckloads Main text, pp. 29-31, Exl	11	1
20	00	4	4	After contract changes nore frequent discrepences, going from one		4.4	4
29	99	4	1	incident per 6 weeks to every 2 weeks to more than once a week. Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan	Exhibit A (Bowers), p. 7	11	1
30	51	3		Spicuzza	Exhibit A (Bowers), p. 11	11	1
30	31	J		July 2006 discovery of false conveyor belt scanning. August 2006	Exilibit 11 (20 We13), p. 11		-
				Neil Hart oversaw response to disclosure. Gary Wilson disciplined			
31	51	4		Aug 2006.	Exhibit A (Bowers), pp. 1	11	1
				2009 Jane Taylor assigned to oversee all RSY activities, Thorpe			
32	52	4		Miller	Exhibit A (Bowers), p. 19	11	1
33	60	4		Trucks failing portal monitor 2010 - 2011	Exhibit A (Bowers), pp. 2	11	1

34	60	1	1	Less expensive for Tetra Tech to have the soil falsely cleared for use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non emplacted soil from what needed to be shipped to LLRW landfills. Backfill material had been cleared by Jane Taylor and Thorpe Miller, but a Shaw contractor discovered a radiological object	Exhibit A (Bowers), p. 23	11	1
35	52	1	1	(button) in it with millirem/hour levels so high they were inappropriate for the Ludlum detector used	Exhibit A (Bowers), p. 24	11	1
36	60	1	1	April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp. 2	11	1
36	60	4		April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck.	Exhibit A (Bowers), pp. 2	11	1
37	60	3		Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers Neil Berrett and Phil Smith (lab) told Bert Bowers that project	Exhibit A (Bowers), pp. 2	11	1
38	40	1	1	upper management had asked them to "write away" laboratory analysis by changing the results.	Exhibit A (Bower), pp. 29	11	1
39	70	1		Radiological Control Areas (RCA's) not controlled per requirements - patterns & practices employees doing work in areas w/rad contamination without notifying Rad Safety Officer, locks not secured, boundaries repositioned, drinking fountains inside RCAs		11	1
40	70	•				4.4	
40 41	70 70	2 4	1	Locations - RCA's not controlled - specific dates and location Dates - RCA's not controlled - specific dates and location Chain of custody forms claimed soil samples were taken every 5	Building 217 not Exhibit A (Bower), pp. 30 Building 217 not Exhibit A (Bower), pp. 30	11 11	1 1
42	40	1		minutes, even though that is impossible. Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe,	Exhibit A (Bowers) pp. 3	11	1
42	40	3		Anthony Smith, Justin Hubbard	Exhibit B (Smith) p. 10-1	11	1
45	40	2		Smith stated he was working in the Bldg 500 series, but the faked Chain-of-custody form showed he took samples near Bldg 707. Smith said mid-2008 began false soil sampling, incomplete building surveys, falsification of chain-of-custody forms. Prior to 2008 NEW was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices became a	Exhibit B (Smith) p. 11	11	1
43	70	4		regular event	and as a result T Exhibit B (Smith) p. 2	11	1

44	30	1	1	"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point was to scan the high probability areas and fake the rest. Although we mosstly performed Class 1 surveys the Class 2 and 3 surveys were falsified early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They		11	1
47	60	1	1	scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt	Exhibit B (Smith) p. 14 aı	11	1
47	60	4		system. Smith assigned to help scan the soil that remained. They scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor	Exhibit B (Smith) p. 14 aı	11	1
48	52	4	1	2005 Susan Andrews stated Justin Hubbard complained she was performing surveys too carefully and slowly and moved her to the portal monitor 2005 Susan Andrews stated Justin Hubbard complained she was	Exhibit C (Andrews) pp.2	11	1
49	60	4	1	failing too many trucks going through the portal monitor Prior to Sept 2011 every failed soil load was required to be sent	Exhibit C (Andrews) p. 3	11	1
50	60	4		back to the RSY pads to be reworked.	Exhibit C (Andrews) p. 3,	11	1
				Jane Taylor misdirected laborers as to the correct location from which to collect soil samples. Entire crew tasks were not being coordinated properly. Samples were taken from an incorrect grid			
51	52	1	1	and were recorded and labeled errneously. Jane Taylor scanned the soil on the RSY pad at a much faster speed	Exhibit C (Andrews) p. 7	11	1
52	52	1	1	than is required to get proper results.	Exhibit C (Andrews) p. 7	11	1
53	30	1		Tina Robertson was unqualified and got agitated about the "hot" readings because she was interpreting the readings incorrectly. 2010 -2011 People left RCA without being frisked 10 times. In 10/2011, Luis and Alfredo (last names unknown) were pounding	Exhibit C (Andrews) p. 8	11	1
54	70	1		dirt for radioactive sample testing using a mortar and pestle with bare hands and not wearing face masks	Exhibit C (Andrews) p. 10	11	1

				Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive dirt onto the			
55	70	2	1	floor of the area. Laborers were stepping into the radioactive dirt, which could spread into clean areas. Jane Taylor in charge of RSY pads late 2010 or early 2011. After	Exhibit C (Andrews) p. 1	11	1
56	52	4		that frequency of failing the Portal Monitor screening increased dramatically. Andrews suspected the soil used as backfill was done more poorly	Exhibit C (Andrews) p. 13	11	1
57	52	1	1	than the soil going offsite since there was no check to be sure it was being done right	Exhibit C (Andrews) p. 14	11	1
58	52	1	1	Andrews stated that after switching to fixed price contracts, Tetra Tech made more money the less they had to do with the soi. It also made the Navy happy that the process was moving along.	Exhibit C (Andrews) p. 1	11	1
30	32	-	-	9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background.	Extribit 6 (Findrews) p. 1		-
59	60	1	1	The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum.	Exhibit C (Andrews) p. 1	11	1
59	60	4		9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background. The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum. Before 9/2011, when portal monitor failed, scanning sides of the truck seldom showed hits, only found hits by standing on	Exhibit C (Andrews) p. 14	11	1
60	60	1	1	scaffolding and scanning by hand over the top, After 9/2011, Tetra Tech discontinued scanning by hand. Tetra Tech hosed down trucks before they entered portal monitor.	Exhibit C (Andrews) p. 1	11	1
61	60	1	1	Water could shield radiation July 2011 Jane Taylor instructed Curtis (driver of EM truck) to	Exhibit C (Andrews) p. 14	11	1
62	70	2		remove ropes demarcating an RCA-RMA and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA August 2011 covering Work Area 33. Hank construction worker	Exhibit C (Andrews) p. 1!	11	1
63	70	2		removed rad posting from RCA in areas known to have high levels of radioactive contamination. Andrews said Tina Robertson said 7/22/2011 Chain of custody	Exhibit C (Andrews) p. 1!	11	1
64	40	4		forms were being forged	Exhibit C (Andrews) p. 1	11	1

				A radioactive source was captured at RSY 4. 2 Untrained field			
65	70	4		workers delivered it to a secure lockup area. Taylor tried to handle	E 1:1:1 C (A . 1) . 4(4.4	
65	70	1		this in an unsafe manner contrary to official procedures	Exhibit C (Andrews) p. 18	11	1
		_	_	RSY number 2 Jane Taylor and the laborers she trained couldn't			
66	52	2	1	use radiation detection scanners properly	Exhibit D (Jackson), p. 3	11	1
				RSY-2 laborers missing the required number of samples. Taylor			
				told them to go get a sample "from anywhere." They went behind			
				the Conex to another pad and got an unrelated "false" sample.			
67	52	2	1	Allen and Reggie	Exhibit D (Jackson), p. 4	11	1
				RSY-2 laborers missing the required number of samples. Taylor			
				told them to go get a sample "from anywhere." They went behind			
				the Conex to another pad and got an unrelated "false" sample.			
67	52	3		Allen and Reggie	Exhibit D (Jackson), p. 4	11	1
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on			
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on			
68	99	2		the clean pad or the other way around next RSY-2	Exhibit D (Jackson), p. 4	11	1
				soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4			
69	52	2	1	hundreds of times	Exhibit D (Jackson), p. 5	11	1
				soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4			
69	52	4		hundreds of times	Exhibit D (Jackson), p. 5	11	1
				Jahr saw laborers slinging soil around during sampling that created			
70	10	1		an airborne hazard.	Exhibit E (Jahr) p. 3	11	1
				workers ate and drank fluids within RCA's. Near an intermodal			
				container around RSY2, it was a windy day yet all the laborers were			
71	70	1		working downwind of the container, potentially exposing workers	Exhibit E (Jahr) p. 3	11	1
				In 2006, when soil samples did not have the required 300 mL			
				volume, Justin Hubbard asked Jahr to "just go get some dirt" from			
				anywhere nearby. Jahr refused to do that. This behavior was			
72	10	4	1	consistent with his approach as a supervisor	Exhibit E (Jahr) p. 4	11	1
		-	_	In 2010, in RSY-2 Barrels containing rad contamination were			_
				opened in a way that could have spread contents into non-rad			
				impacted areas. They later were removed, and Jahr suspected by			
73	70	2	1	improper means.	Exhibit E (Jahr) p. 5	11	1
, 3	70	_	_	Fencing surrounding an RCA was removed to allow construction	Extract 2 (sam) p. 3		-
74	70	1		crew access while avoiding the control point	Exhibit E (Jahr) p. 5	11	1
	. 0	_		8/2010, Jane Taylor and her laborers were swinging the Ludlum	Extract E (Surin) pr 3		_
				sensors at a heigh and speed that were both far excessive so the			
75	52	1	1	sensors were largely ineffective	Exhibit E (Jahr) p. 5	11	1
, ,	J2	_	-	sensors were largery increeding	Exhibit E (Jahr) p. J		_

			Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena McClean, Demarius Bradley, Curtis Hales, and Damian (unknown	
76	51	3	last name)	Exhibit N (McClean) p.2
			2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed, reducing the frequency of alarms greatly (vs. hourly before at the proper speed). After some weeks, the speed became locked at speed well above standards. McClean was laid off late 2005. In early 2006, he returned and discovered the Navy had discovered the excessive speed. The	
77	51	1	conveyor belt system was shut down.	Exhibit N (McClean) p. 3

Tetra Tech Allegations - public V3 includes NRC Petition main text and all Exhibits Read Me - explanation of rest of the sheets

Key:

Type of fraud

- 10 Fake soil sampling
- 11 Fraudulent sampling Stage 1 collected nearby
- 12 Fraudulent sampling Stage 2 collected from far away
- 20 Destruction of "hot" soil samples and their records
- 21 Bldg 351A
- 22 Fisher & Spear Streets
- 23 Radioactive fencing
- 30 Fraudulent Building Surveys
- 40 Fradulent data reporting
- 50 Offsite disposal and backfill
- 51 Conveyor belt too fast
- 52 RSY pads
- 53 Unqualified personnel
- 60 Portal Monitor
- 70 Radiologically Controlled Areas (RCA's) unsecured or other individual incidents
- 99 Type unspecified

Type of info

- 1 Patterns and practice
- 2 Locations
- 3 Names of persons associated with falsification
- 4 Timing and frequency

Colors

highlight - need to discuss further need to go back and fill in later

Source (chronological order) Public

11 2017 Jun - NRC Petition

Tracking number	Type of Fraud	Type of info	Highlights	Statisticia s ns	Summary	Details Cit	tation	Source (mc 2017	-7 NR(Public - Other
					Scans were supposed to be used to pick soil sample locations with highest scan values, but in late 2008 began sampling 5-10 ft away where scans showed low levels. But these sometimes were still above]		,	
:	1 1	.1	1	1	release criteria and would still need to be further remediated.	less likely toMa	ain text p	11	1
					Starting mid-2008 false soil sampling. Smith said trench confirmation soil substitution happened "pretty				
					much every day" over at least the last 1.5 yrs he worked there. Total 800-1,000 false samples [he left 9/2012]. "After the Bldg 351A and Parcel A cover ups, fraudulent sampling became a regular occurrence				
					for me and the teams In this early period of 2009-2010, when post-remediation sampling was to be				
;	3 1	.0	4	1	done, more and more Mr. Rolfe told me and the other HPs to cheat and take false soil samples." Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E, Former 500 series Bldgs in Parcel D,	<u> </u> М,	lain text	11	1
•	4 1	.2	2	1	North Pier, Shacks 79 and 80, Parcel C	Ma	ain text,	11	1
					summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down or				
					the ground and let it count. " "On numerous occasions occasions my crew and I were instructed by Steve Rolfe to 'just get numbers,' which we would do by simply holding the 2360 dedector in the same spot, or				
1	5 3	0	1	1	setting it down in one spot for up to 30 minutes while the readings were recorded."	-	ain text p	11	1
					summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building footprints throughout the 500 series and buildings 351, 351A,				
1,	£ 2	10	2	1	411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145, 130, 439, 366, 813, and possibly building 203	N/1-	ain taut r	11	1
10	0 3	30	2	1	When downloading data from Ludlum 2350, Tetra Tech staff changed numbers. Also for Ludlum 2360	IVIā	ain text p	11	1
18	8 4	10		1	(alpha and beta). Zahensky took a computer home to change scan results overnight. Results were delivered a day late.	Ma	ain text p	11	1
						1	•		
40	5 3	80	1	1	2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin Hubbard, Rick Zahensky, Steve Rolfe,	Ext	hibit B (S	11	1
19	9 4	10	3	1	Bert Bowers, Neil Berrett, Phil Smith Early to July 2006 Conveyor belt scanning excavated fill ran too fast and silenced sensor alarms so would	Ma	ain text p	11	1
20	0 5	51	1	1	not have caught contamination in tens of thousands of CY soil	Ma	ain text p	11	1
2:	1 5	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area Orders were given to take samples "from anywhere" instead of from the proper Radiation Screening Yard	4	ain text p	11	1
2:	3 5	52	1	1	(RSY) samples	1	ain text p	11	1
24	4 5	3	1	1	Unqualified workers who did not understand health risks of exposures could have been exposed, swung detectors too high and too fast	Ma	ain text p	11	1
					RSY samples collected in locations that intentionally avoided the high radioactivity locations and were	1	·		
2	7 5	52	1	1	allowed to be reused as backfill. 2011 trucks with soil from RSY pads frequently failing portal monitor screening. In September, 2011, the	Ma	ain text,	11	1
28	8 6	60	1	1	sensitivity was reduced by 2/3 and discontinued hand-scanning.	All 37 truck Ma	ain text,	11	1
29	9 9	9	4	1	After contract changes nore frequent discrepences, going from one incident per 6 weeks to every 2 weeks to more than once a week.	Ext	hibit A (E	11	1
					Less expensive for Tetra Tech to have the soil falsely cleared for use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non emplacted soil				
34	4 6	60	1	1	from what needed to be shipped to LLRW landfills.	Ext	hibit A (E	11	1
					Backfill material had been cleared by Jane Taylor and Thorpe Miller, but a Shaw contractor discovered a radiological object (button) in it with millirem/hour levels so high they were inappropriate for the Ludlum				
3.	5 5	52	1	1	detector used	Ext	hibit A (E	11	1
30	6 6	60	1	1	April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck.		hibit A (E	11	1
					Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to	1			
38 40		10 '0		1 1	"write away" laboratory analysis by changing the results. Locations - RCA's not controlled - specific dates and location	Ext Building 21 Ext	hibit A (E hibit A (E		1 1
					"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point				
44	4 3	30	1	1	was to scan the high probability areas and fake the rest. Although we mosstly performed Class 1 surveys the Class 2 and 3 surveys were falsified			11	1
					early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They scanned				
					soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared				
4	7 6	60	1	1	this screening set off portal monitor 2005 Susan Andrews stated Justin Hubbard complained she was performing surveys too carefully and	Ext	hibit B (S	11	1
48	8 5	52	4	1	slowly and moved her to the portal monitor	Ext	hibit C (A	11	1
49	9 6	60	4	1	2005 Susan Andrews stated Justin Hubbard complained she was failing too many trucks going through the portal monitor	Ext	hibit C (A	11	1
					Jane Taylor misdirected laborers as to the correct location from which to collect soil samples. Entire crew tasks were not being coordinated properly. Samples were taken from an incorrect grid and were				
5:	1 5	52	1	1	recorded and labeled errneously.	Ext	hibit C (A	11	1
57	2 5	52	1	1	Jane Taylor scanned the soil on the RSY pad at a much faster speed than is required to get proper results.	Ext	hibit C (A	11	1
					Maybe Bldg 271 area next to elevator shaft was separated into 2 sections. One was fenced off. Jars of	1			
					every sample that had been tested by the lab since the beginning of work at HPNS were stacked. Jars in the lower stacks had gotten crushed by jars on the higher stacks and were leaking potentially radioactive				
E1	- 7	7 0	2	1	dirt onto the floor of the area. Laborers were stepping into the radioactive dirt, which could spread into	Evil	hihi+ C (A	11	1
5!	5 /	0	2	1	clean areas. Andrews suspected the soil used as backfill was done more poorly than the soil going offsite since there	Exi	hibit C (A	11	1
5	7 5	52	1	1	was no check to be sure it was being done right	Ext	hibit C (A	11	1
_		_			Andrews stated that after switching to fixed price contracts, Tetra Tech made more money the less they				
58	8 5	52	1	1	had to do with the soi. It also made the Navy happy that the process was moving along. 9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma	4	hibit C (A	11	1
-		.0	4	4	plus mean background. The claim was that was to address aluminum trucks with naturally occurring		hihir C/A	44	4
59	ם פ	60	1	1	radiation. But most trucks were steel, not aluminum. Before 9/2011, when portal monitor failed, scanning sides of the truck seldom showed hits, only found	Exi	hibit C (A	11	1
60	0 6	60	1	1	hits by standing on scaffolding and scanning by hand over the top, After 9/2011, Tetra Tech discontinued scanning by hand.	Fxl	hibit C (A	11	1
						1	·		
6:	1 6	60	1	1	Tetra Tech hosed down trucks before they entered portal monitor. Water could shield radiation RSY number 2 Jane Taylor and the laborers she trained couldn't use radiation detection scanners	Ext	hibit C (A	11	1
60	5 5	52	2	1	properly	Ext	hibit D (J	11	1
					RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample "from anywhere." They went behind the Conex to another pad and got an unrelated "false" sample. Allen and				
6	7 5	52	2	1	Reggie	4	hibit D (J	11	1
68		9		1	Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on the clean pad or the other way around next RSY-2	Ext	hibit D (J	11	1
69	9 5	52	2	1	soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 hundreds of times	Ext	hibit D (J	11	1

				In 2000, when call completed in mot have the generical 200 miles begin a livetical behaviorable desired.	1		
72	10	4	1	In 2006, when soil samples did not have the required 300 mL volume, Justin Hubbard asked Jahr to "just go get some dirt" from anywhere nearby. Jahr refused to do that. This behavior was consistent with his approach as a supervisor In 2010, in RSY-2 Barrels containing rad contamination were opened in a way that could have spread	Exhibit E (Ja	11	1
73	70	2	1	contents into non-rad impacted areas. They later were removed, and Jahr suspected by improper means.	Exhibit E (Ja	11	1
75	52	1	1	8/2010, Jane Taylor and her laborers were swinging the Ludlum sensors at a heigh and speed that were both far excessive so the sensors were largely ineffective	Exhibit E (Ja	11	1
1			_				11
1	12	4		Took false samples from far away: 1) sewer trench in front of 500 series bldgs, 2) former theatre	1		
2	12	1		building, 3) near Bldg 521 under two palm trees Beginning in 2010 while working near Bldg 707 and later 500 series buildings, Took false samples from far	Matched fa Main text,	11	1
2	12	4		away: 1) First sewer trench in front of 500 series bldgs, 2) former theatre building, 3) near Bldg 521 under two palm trees	Matched fa Main text,	11	1
5	12	4		fraudulent practices escalated after contract changed from time-and-materials to firm fixed-price	Main Text,	11	1
6	12	3		Fraudulent trench soil confirmation sampling was associated with Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin Hubbard, Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample (some of the highest radioactive	Main text,	11	1
7	21	1		readings ever seen on the site) and chain of custody record and marked location clean. Replaced with new samples from areas in the crawl space known to be clean. Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill Dougherty, Dennis McWade, Chuck	Bldg previo Main text,p	11	1
8	21	3		Taylor, Steve Rolfe, Daryl DeLong, Brian Henderson	Main text,r	11	1
9	21 21	2 4		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample	Main text,ŗ Main text,ŗ	11 11	1 1
10	22	1		2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and never filled out chain-of-custody form	Main text,	11	1
10		4		July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was told to get rid of sample and chain of custody			1
10 11	22 22	2		Location Fisher & Spear Ave. behind wall uphill 6 inches deep	Main text, Main text,	11 11	1 1
12	22	3		Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff Rolfe, Ray Roberson, Carey Bell	Main text,	11	1
13	23	1		2009 fencing found to be contaminated but staff told to hide result and delete data in "Access" computer system	Main text,	11	1
14	23	3		Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole, Bob Evans, Charles Taylor, Rhonda Richardson,	Main text,	11	1
17	30	3		Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson	Main text p	11	1
45	40	4		2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (S	11	1
22	51	3		Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell, Mike Wilson, Gary Wilson, Jane Taylor	Main text p	11	1
25	52	3		Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha Taylor, Kari Guidry, Thorpe Miller, Bryan White	Main text,	11	1
26	52	2		Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil removed. 10 CY of soil were remediated as containing radioactive and chemical contamination.	Main text,	11	1
30	51	3		Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan Spicuzza	Exhibit A (E	11	1
31	51	4		July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson disciplined Aug 2006.	Exhibit A (E	11	1
32 33	52 60	4 4		2009 Jane Taylor assigned to oversee all RSY activities, Thorpe Miller Trucks failing portal monitor 2010 - 2011	Exhibit A (E Exhibit A (E	11 11	1 1
	60	4		April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed. McWade told staff to stop surveying the truck.	-	11	1
36 37	60	3		Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers	Exhibit A (E	11	1
				Radiological Control Areas (RCA's) not controlled per requirements - patterns & practices employees doing work in areas w/rad contamination without notifying Rad Safety Officer, locks not secured,			
39 41	70 70	1 4		boundaries repositioned, drinking fountains inside RCAs Dates - RCA's not controlled - specific dates and location	Building 21Exhibit A (E	11 11	1 1
42	40	1		Chain of custody forms claimed soil samples were taken every 5 minutes, even though that is impossible.	Exhibit A (E	11	1
		_			Ì		
42	40	3		Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe, Anthony Smith, Justin Hubbard Smith stated he was working in the Bldg 500 series, but the faked Chain-of-custody form showed he took	Exhibit B (S	11	1
45	40	2		samples near Bldg 707.	Exhibit B (S	11	1
43	70	4		Smith said mid-2008 began false soil sampling, incomplete building surveys, falsification of chain-of-custody forms. Prior to 2008 NEW was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices became a regular event early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They scanned	and as a re Exhibit B (S	11	1
47	60	4		soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor	Exhibit B (S	11	1
					1		_
50	60	4		Prior to Sept 2011 every failed soil load was required to be sent back to the RSY pads to be reworked. Tina Robertson was unqualified and got agitated about the "hot" readings because she was interpreting	Exhibit C (A	11	1
53	30	1		the readings incorrectly. 2010 -2011 People left RCA without being frisked 10 times. In 10/2011, Luis and Alfredo (last names unknown) were pounding dirt for radioactive sample testing using a mortar and pestle with bare hands	Exhibit C (A	11	1
54	70	1		and not wearing face masks Jane Taylor in charge of RSY pads late 2010 or early 2011. After that frequency of failing the Portal	Exhibit C (A	11	1
56	52	4		Monitor screening increased dramatically.	Exhibit C (A	11	1
59	60	4		9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background. The claim was that was to address aluminum trucks with naturally occurring radiation. But most trucks were steel, not aluminum. July 2011 Jane Taylor instructed Curtis (driver of EM truck) to remove ropes demarcating an RCA-RMA	Exhibit C (A	11	1
62	70	2		and ignore requirement for frisking in an area where radioactive containers were stored above ground in an RCA-RMA	Exhibit C (A	11	1
				August 2011 covering Work Area 33. Hank construction worker removed rad posting from RCA in areas	1		
63 64	70 40	2 4		known to have high levels of radioactive contamination. Andrews said Tina Robertson said 7/22/2011 Chain of custody forms were being forged	Exhibit C (A Exhibit C (A	11 11	1 1
65	70	1		A radioactive source was captured at RSY 4. 2 Untrained field workers delivered it to a secure lockup area. Taylor tried to handle this in an unsafe manner contrary to official procedures	Exhibit C (A	11	1

		RSY-2 laborers missing the required number of samples. Taylor told them to go get a sample "from			
		anywhere." They went behind the Conex to another pad and got an unrelated "false" sample. Allen and			
52	3	Reggie	Exhibit D (J	11	1
		Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on the clean pad or the other way around			
99	2	next RSY-2	Exhibit D (J	11	1
52	4	soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 hundreds of times	Exhibit D (J	11	1
10	1	Jahr saw laborers slinging soil around during sampling that created an airborne hazard.	Exhibit E (Ja	11	1
		workers ate and drank fluids within RCA's. Near an intermodal container around RSY2, it was a windy day			
70	1	yet all the laborers were working downwind of the container, potentially exposing workers	Exhibit E (Ja	11	1
		Fencing surrounding an RCA was removed to allow construction crew access while avoiding the control			
70	1	point	Exhibit E (Ja	11	1
		Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena McClean, Demarius Bradley, Curtis			
51	3	Hales, and Damian (unknown last name)	Exhibit N (McCl	ean) p.2	
		2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed,			
		reducing the frequency of alarms greatly (vs. hourly before at the proper speed). After some weeks, the			
		speed became locked ata speed well above standards. McClean was laid off late 2005. In early 2006, he			
		returned and discovered the Navy had discovered the excessive speed. The conveyor belt system was			
51	1	shut down.	Exhibit N (McCl	ean) p. 3	
	99 52 10 70 70 51	99 2 52 4 10 1 70 1 70 1 51 3	anywhere." They went behind the Conex to another pad and got an unrelated "false" sample. Allen and Reggie Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on the clean pad or the other way around next RSY-2 52 4 5oil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 hundreds of times 10 1 Jahr saw laborers slinging soil around during sampling that created an airborne hazard. workers ate and drank fluids within RCA's. Near an intermodal container around RSY2, it was a windy day yet all the laborers were working downwind of the container, potentially exposing workers Fencing surrounding an RCA was removed to allow construction crew access while avoiding the control point Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena McClean, Demarius Bradley, Curtis Hales, and Damian (unknown last name) 2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed, reducing the frequency of alarms greatly (vs. hourly before at the proper speed). After some weeks, the speed became locked ata speed well above standards. McClean was laid off late 2005. In early 2006, he returned and discovered the Navy had discovered the excessive speed. The conveyor belt system was	anywhere." They went behind the Conex to another pad and got an unrelated "false" sample. Allen and Reggie Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on the clean pad or the other way around next RSY-2 52 4 soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4 hundreds of times 10 1 Jahr saw laborers slinging soil around during sampling that created an airborne hazard. Workers ate and drank fluids within RCA's. Near an intermodal container around RSY2, it was a windy day yet all the laborers were working downwind of the container, potentially exposing workers Fencing surrounding an RCA was removed to allow construction crew access while avoiding the control point Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena McClean, Demarius Bradley, Curtis Hales, and Damian (unknown last name) 2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed, reducing the frequency of alarms greatly (vs. hourly before at the proper speed). After some weeks, the speed became locked ata speed well above standards. McClean was laid off late 2005. In early 2006, he returned and discovered the Navy had discovered the excessive speed. The conveyor belt system was	anywhere." They went behind the Conex to another pad and got an unrelated "false" sample. Allen and Reggie Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on the clean pad or the other way around next RSY-2 10 1 1 2

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	Tetra Teeri Allegations Catalog Draft VI 2017 6 14		0	Information	Citation ce (most pt Source Public Comm				ents	Need to know													
Tracking	Type o	of Typ	oe of	ormadon		310011	lee (most be		223,00,00				EPA										
number	Fraud			Summary	Details	Citation	Source (mc 201	7-7 NR(201) 11	6 NRC E2014 T		Other	Navy	technical	l TechLa	w Leidos	EPA I	Mgmt Not	public Not	t public No 22	t public Sea 15	led 201 Seale 31	ed 201 Seale 32	ed unspecifie 33
					less likely to be found using K-40			11	12	15	14		1	2	3	4	3	21	22	13	31	32	33
	1	11	1	showed low levels	comparisons	Main text	; f 11	1															
				Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil																			
	7	21	1	sample and chain of custody record and marked location clean 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith		Main text	;, r 11	1															
1	.0	22	1	was told to get rid of sample and chain of custody		Main text	., 11	1															
1	.3	23	1	2009 fencing found to be contaminated but staff told to hide result and delete data in "Access" computer system summer 2010 - early 2011 Class 2 and Class 3 scans in buildings		Main text	., 11	1															
1	.5	30	1	and smears "just set your meter down on the ground and let it count.		Main text	: r 11	1															
1	.5	30	1	Early to July 2006 Conveyor belt scanning excavated fill ran too		waiii text	., 11	1															
2	20	51	1	fast and silenced sensor alarms so would not have caught contamination in tens of thousands of CY soil		Main text	r 11	1															
2	18	60	1	2011 trucks with soil from RSY pads frequently failing portal monitor screening. Later the sensitivity was reduced	All 37 truckloads fa	il Main text	;, 11	1															

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Ctra reci	Micgat	ilonis ca	tulog bru	Samples switched at Pldg E17, Pldg 707 Triangle Area in Parcel E			
				Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E,			
4	4.2	2	4	Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 80,	Main taut in 1	4.4	4
4	12	2	1	Parcel C	Main text, p. 1	11	1
0	21	2		Parcel C. Pldg 251A in 2000, "got rid of" contaminated soil comple	Main tout no '	11	1
9	21	2		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample	Main text,pp. 1	11	1
11	22	2		Location Fisher & Spear Ave. behind wall uphill 6 inches deep	Main toxt nn	11	1
11	22	2		Location Fisher & Spear Ave. benind wan uprin 6 mones deep	Main text, pp.	11	1
				summer 2010 - early 2011 Fraudulent building scans for nearly all			
				buildings in Hunters Point. Specifically Building, 707, buildings			
				and building footprints throughout the 500 series and buildings			
				351, 351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114,			
16	30	2	1	145, 130, 439, 366, 813, and possibly building 203	Main text p. 19	11	1
10	30	2	1	143, 130, 433, 300, 613, and possibly building 203	Main text p. 13	11	1
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area	Main text pp. 2	11	1
21	31	2	-	Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil	ινιαπι τέχτ ββ. 2		-
				removed. 10 CY of soil were remediated as containing			
26	52	2		radioactive and chemical contamination.	Main text, p. 2	11	1
20	32	2		Tadioactive and chemical contamination.	νιαπ τέχτ, β. 2		-
40	70	2	1	Locations - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bow	11	1
.0	. •	_	_		2		_
				Smith stated he was working in the Bldg 500 series, but the faked			
45	40	2		Chain-of-custody form showed he took samples near Bldg 707.	Exhibit B (Smit	11	1
					· · · · · · · · · · · · · · · · · · ·		
				Maybe Bldg 271 area next to elevator shaft was separated into 2			
				sections. One was fenced off. Jars of every sample that had been			
				tested by the lab since the beginning of work at HPNS were			
				stacked. Jars in the lower stacks had gotten crushed by jars on			
				the higher stacks and were leaking potentially radioactive dirt			
				onto the floor of the area. Laborers were stepping into the			
55	70	2	1	radioactive dirt, which could spread into clean areas.	Exhibit C (Andı	11	1
				July 2011 Jane Taylor instructed Curtis (driver of EM truck) to			
				remove ropes demarcating an RCA-RMA and ignore requirement			
				for frisking in an area where radioactive containers were stored			
62	70	2		above ground in an RCA-RMA	Exhibit C (Andr	11	1
				August 2011 covering Work Area 33. Hank construction worker			
				removed rad posting from RCA in areas known to have high levels			
63	70	2		of radioactive contamination.	Exhibit C (Andr	11	1
				RSY number 2 Jane Taylor and the laborers she trained couldn't			
66	52	2	1	use radiation detection scanners properly	Exhibit D (Jack	11	1
				RSY-2 laborers missing the required number of samples. Taylor			
				told them to go get a sample "from anywhere." They went			
				behind the Conex to another pad and got an unrelated "false"			
67	52	2	1	sample. Allen and Reggie	Exhibit D (Jack	11	1
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil			
68	99	2		on the clean pad or the other way around next RSY-2	Exhibit D (Jack	11	1
				soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4			
69	52	2	1	hundreds of times	Exhibit D (Jack	11	1
				In 2010, in RSY-2 Barrels containing rad contamination were			
				opened in a way that could have spread contents into non-rad			
				impacted areas. They later were removed, and Jahr suspected by			
73	70	2	1	improper means.	Exhibit E (Jahr)	11	1

Tetra Tech	Allogations	Catalog	Draft V	2 2017	0 21
Tetra Tech	Allegations	Catalog	Draft v	3 ZU1/-	3-ZI

Tetra Tecl	n Allegat	ions Ca	talog D	raft V3 2017-8-21				
				Fraudulent trench soil confirmation sampling was associated with				
				Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin				
6	12	3		Hubbard,	Main text, pp.	11	1	
				Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill				
				Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl				
8	21	3		DeLong, Brian Henderson	Main text,pp. 1	11	1	
				Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff				
12	22	3		Rolfe, Ray Roberson, Carey Bell	Main text, pp.	11	1	
				Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole,				
14	23	3		Bob Evans, Charles Taylor, Rhonda Richardson,	Main text, p.17	11	1	
				Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick				
17	30	3		Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson	Main text p. 19	11	1	
				Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin				
				Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett,				
19	40	3	1	Phil Smith	Main text pp. 2	11	1	What were the results for?
				Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell,				
22	51	3		Mike Wilson, Gary Wilson, Jane Taylor	Main text pp. 2	11	1	
				Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha				
25	52	3		Taylor, Kari Guidry, Thorpe Miller, Bryan White	Main text, pp.	11	1	
				Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan				
30	51	3		Spicuzza	Exhibit A (Bow	11	1	
				Portal Monitor failing - Adam Berry, Dennis McWade, Bert				
37	60	3		Bowers	Exhibit A (Bow	11	1	
				Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe,				
42	40	3		Anthony Smith, Justin Hubbard	Exhibit B (Smit	11	1	
				RSY-2 laborers missing the required number of samples. Taylor				
				told them to go get a sample "from anywhere." They went				
				behind the Conex to another pad and got an unrelated "false"				
67	52	3		sample. Allen and Reggie	Exhibit D (Jack:	11	1	
				Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena				
				McClean, Demarius Bradley, Curtis Hales, and Damian (unknown				
76	51	3		last name)	Exhibit N (McClean	n) p.2		

1	12	4		B			
2	12	4		Beginning in 2010 while working near Bldg 707 and later 500 series buildings, Took false samples from far away: 1) First sewer trench in front of 500 series bldgs, 2) former theatre building, 3) near Bldg 521 under two palm trees	Matched faked s Main text, pp.	11	
				Starting mid-2008 false soil sampling. Smith said trench confirmation soil substitution happened "pretty much every day" over at least the last 1.5 yrs he worked there. Total 800-1,000 false samples [he left 9/2012]. "After the Bldg 351A and Parcel A cover ups, fraudulent sampling became a regular occurrence for me and the teams In this early period of 2009-2010, when post-remediation sampling was to be done, more and more Mr.			
3	10	4	1	Rolfe told me and the other HPs to cheat and take false soil samples."	,Main text p. 1	11	
5	12	4		fraudulent practices escalated after contract changed from time- and-materials to firm fixed-price	Main Text, p. 1	11	
9	21	4		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample	Main text,pp. :	11	
				July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches			
10	22	4		deep Smith was told to get rid of sample and chain of custody 2010 saw Tina Rolfe on the computer manually changing data	Main text, pp.	11	
45	40	4		uploaded from previous building scans After contract changes nore frequent discrepences, going from	Exhibit B (Smit	11	
29	99	4	1	one incident per 6 weeks to every 2 weeks to more than once a week.	Exhibit A (Bow	11	
24	5 4	4		July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson disciplined	Eulikik A (Dave	4.4	
31	51	4		Aug 2006. 2009 Jane Taylor assigned to oversee all RSY activities, Thorpe	Exhibit A (Bow	11	
32	52	4		Miller	Exhibit A (Bow	11	
33	60	4		Trucks failing portal monitor 2010 - 2011	Exhibit A (Bow	11	
				April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed.			
36	60	4		McWade told staff to stop surveying the truck.	Exhibit A (Bow	11	
41	70	4		Dates - RCA's not controlled - specific dates and location Smith said mid-2008 began false soil sampling, incomplete building surveys, falsification of chain-of-custody forms. Prior to	Building 217 not Exhibit A (Bow	11	
				2008 NEW was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices			
43	70	4		became a regular event early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt	and as a result 1Exhibit B (Smit	11	
1 7	60	4		system. Smith assigned to help scan the soil that remained. They scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set off portal monitor	Exhibit B (Smit	11	
				2005 Susan Andrews stated Justin Hubbard complained she was performing surveys too carefully and slowly and moved her to	,		
48	52	4	1	the portal monitor	Exhibit C (Andı	11	
49	60	Л	1	2005 Susan Andrews stated Justin Hubbard complained she was failing too many trucks going through the portal monitor	Exhibit C (Andı	11	
+3	00	4	1	Prior to Sept 2011 every failed soil load was required to be sent	EXHIDIT C (AND)	11	
50	60	4		back to the RSY pads to be reworked. Jane Taylor in charge of RSY pads late 2010 or early 2011. After	Exhibit C (Andr	11	
				that frequency of failing the Portal Monitor screening increased			
56	52	4		dramatically.	Exhibit C (Andr	11	

Exhibit C (Andr

56

dramatically.

				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3 sigma plus mean background to 8 sigma plus mean background. The claim was that was to address aluminum trucks with				
59	60	4		naturally occurring radiation. But most trucks were steel, not aluminum. Andrews said Tina Robertson said 7/22/2011 Chain of custody		Exhibit C (Andı	11	1
64	40	4		forms were being forged soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4		Exhibit C (Andı	11	1
69	52	4		hundreds of times		Exhibit D (Jack	11	1
72	10	4	1	In 2006, when soil samples did not have the required 300 mL volume, Justin Hubbard asked Jahr to "just go get some dirt" from anywhere nearby. Jahr refused to do that. This behavior was consistent with his approach as a supervisor		Exhibit E (Jahr)	11	1
12	10	4	1	consistent with his approach as a supervisor		EXHIBIT E (Jahr)	11	1
1	11	1		Scans were supposed to be used to pick soil sample locations, but in late 2008 began sampling 5-10 ft away where scans showed low levels	less likely to be found using K- 40 comparisons	Main teyt n 11	11	1
_		•		low levels	40 compansons	Main text p. 11	11	-
_	24	4		Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		National and	4.4	4
7	21	1		and chain of custody record and marked location clean 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith		Main text,pp. 1	11	1
10	22	1		was told to get rid of sample and chain of custody		Main text, pp.	11	1
13	23	1		2009 fencing found to be contaminated but staff told to hide result and delete data in "Access" computer system		Main tout n 1	11	1
13	23	1		summer 2010 - early 2011 Class 2 and Class 3 scans in buildings		Main text, p.17	11	1
45	20	4		and smears "just set your meter down on the ground and let it		Main tout of 46	11	4
15	30	1		count. Early to July 2006 Conveyor belt scanning excavated fill ran too		Main text p. 19	11	1
				fast and silenced sensor alarms so would not have caught				
20	51	1		contamination in tens of thousands of CY soil		Main text pp. 2	11	1
				2011 trucks with soil from RSY pads frequently failing portal				
28	60	1		monitor screening. Later the sensitivity was reduced	All 37 truckloads	Main text, pp.	11	1

ng		_		6.					
numbe r	Type of Fraud		_	Statist icians	Summary	Details	Citation	Source 2017-	7 NRC Petition
					Starting mid-2008 false soil sampling. Smith said trench				
					confirmation soil substitution happened "pretty much every day"				
					over at least the last 1.5 yrs he worked there. Total 800-1,000 false				
					samples [he left 9/2012]. "After the Bldg 351A and Parcel A cover				
					ups, fraudulent sampling became a regular occurrence for me and				
					the teams In this early period of 2009-2010, when post- remediation sampling was to be done, more and more Mr. Rolfe				
3	10	4	. 1	l	told me and the other HPs to cheat and take false soil samples."		,Main text p. 1	11 1	
J		•	_	-	Jahr saw laborers slinging soil around during sampling that created		, man text pr		
70	10	1			an airborne hazard.		Exhibit E (Jahr)	11 1	
					In 2006, when soil samples did not have the required 300 mL				
					volume, Justin Hubbard asked Jahr to "just go get some dirt" from				
72	10	4	. 1	l	anywhere nearby. Jahr refused to do that. This behavior was consistent with his approach as a supervisor		Exhibit E (Jahr)	11 1	
, _	. 10		-	-	Scans were supposed to be used to pick soil sample locations with		Eximote E (Jain)		
					highest scan values, but in late 2008 began sampling 5-10 ft away				
					where scans showed low levels. But these sometimes were still	less likely to be			
1	. 11	1	1	ı	above release criteria and would still need to be further remediated.	found using K-	Main tout n 11	11 1	
1 1				L	remediated.	40 comparisons	iviairi text p. 11	11 1	
					Took false samples from far away: 1) sewer trench in front of 500				
					series bldgs, 2) former theatre building, 3) near Bldg 521 under				
2	. 12	1			two palm trees Beginning in 2010 while working near Bldg 707 and later 500 series	Matched faked s	Main text, pp.	11 1	
					buildings, Took false samples from far away: 1) First sewer trench				
					in front of 500 series bldgs, 2) former theatre building, 3) near Bldg				
2	. 12	4			521 under two palm trees	Matched faked s	Main text, pp.	11 1	
					Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E, Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 80,				
4	. 12	2	1	L	Parcel C		Main text, p. 1	11 1	
•		_		_	fraudulent practices escalated after contract changed from time-				
5	12	4			and-materials to firm fixed-price		Main Text, p. 1	11 1	
					Fraudulent trench soil confirmation sampling was associated with Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, Justin				
6	12	3			Hubbard,		Main text, pp.	11 1	
					Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample				
					(some of the highest radioactive readings ever seen on the site) and chain of custody record and marked location clean. Replaced				
7	21	1			with new samples from areas in the crawl space known to be clean.	Bldg previously u	Main text,pp. 1	11 1	
					Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill				
0	21	2			Dougherty, Dennis McWade, Chuck Taylor, Steve Rolfe, Daryl		Main tout on 1	11 1	
8	21	3			DeLong, Brian Henderson		Main text,pp. 1	11 1	
9	21	2			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main text,pp. 1	11 1	
		_							
9	21	4			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil sample		Main text,pp. 1	11 1	
					2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith was				
10	22	1			told to get rid of sample and never filled out chain-of-custody form		Main text, pp.	11 1	
					July or August 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches				
10	22	4			deep Smith was told to get rid of sample and chain of custody		Main text, pp.	11 1	
					,		, [,]		
11	. 22	2			Location Fisher & Spear Ave. behind wall uphill 6 inches deep		Main text, pp.	11 1	
12	. 22	3			Disappearing sample Fischer & Spear Ave. Anthony Smith, Jeff Rolfe, Ray Roberson, Carey Bell		Main text, pp.	11 1	
12	. 22	3			2009 fencing found to be contaminated but staff told to hide result		wiaiii text, μμ.	11 1	
13	23	1			and delete data in "Access" computer system		Main text, p.17	11 1	
	••	-			Radioactive fencing Susan Andrews, Dennis McWade, Phil Poole,		N.4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	44	
14	23	3			Bob Evans, Charles Taylor, Rhonda Richardson,		Main text, p.17	11 1	

				summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down on the ground and let it count." "On numerous occasions occasions my crew and I were instructed by Steve Rolfe to 'just get numbers,' which we would do by simply holding the 2360 dedector in the same spot, or setting it down in one spot for up to 30 minutes while the readings were			
15	30	1	1	summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and	Main text p. 19	11	1
				building footprints throughout the 500 series and buildings 351, 351A, 411,401,414,406, 144,146,130, 103, 113, 521, 103, 114, 145,			
16	30	2	1	130, 439, 366, 813, and possibly building 203	Main text p. 19	11	1
17	30	3		Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick Zahensky, Bill Dougherty, Justin Hubbard, Tina Robertson	Main text p. 19	11	1
46	30	1	1	2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans	Exhibit B (Smit	11	1
				"Due to the amount of time required to perform a proper building survey, the practice at Hunters Point was to scan the high			
44	30	1	1	probability areas and fake the rest. Although we mosstly performed Class 1 surveys the Class 2 and 3 surveys were falsified		11	1
				Tina Robertson was unqualified and got agitated about the "hot"			
53	30	1		readings because she was interpreting the readings incorrectly. When downloading data from Ludlum 2350, Tetra Tech staff changed numbers. Also for Ludlum 2360 (alpha and beta). Zahensky took a computer home to change scan results overnight.	Exhibit C (Andr	11	1
18	40		1	Results were delivered a day late.	Main text pp. 2	11	1
45	40	4		2010 saw Tina Rolfe on the computer manually changing data uploaded from previous building scans Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Justin	Exhibit B (Smit	11	1
19	40	3	1	Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett, Phil Smith Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to "write away" laboratory	Main text pp. 2	11	1
38	40	1	1	analysis by changing the results.	Exhibit A (Bow	11	1
42	40	1		Chain of custody forms claimed soil samples were taken every 5 minutes, even though that is impossible.	Exhibit A (Bow	11	1
42	40	3		Tina Rolfe cycled through names, e.g. Rick Zahensky, Jeff Rolfe, Anthony Smith, Justin Hubbard	Exhibit B (Smit	11	1
				Smith stated he was working in the Bldg 500 series, but the faked	·		
45	40	2		Chain-of-custody form showed he took samples near Bldg 707. Andrews said Tina Robertson said 7/22/2011 Chain of custody	Exhibit B (Smit	11	1
64	40	4		forms were being forged Early to July 2006 Conveyor belt scanning excavated fill ran too fast	Exhibit C (Andr	11	1
20	51	1	1	and silenced sensor alarms so would not have caught contamination in tens of thousands of CY soil	Main text pp. 2	11	1
21	51	2	1	Conveyor belt too fast for Parcel E IR-02 and PCB removal area	Main text pp. 2	11	1
22	51	3		Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell, Mike Wilson, Gary Wilson, Jane Taylor	Main text pp. 2	11	1
				Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan			
30	51	3		Spicuzza July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson disciplined	Exhibit A (Bow	11	1
31	51	4		Aug 2006. Conveyor belt Gary Wilson, Jane Taylor, Robert McClean, Madena McClean, Demarius Bradley, Curtis Hales, and Damian (unknown	Exhibit A (Bow	11	1
76	51	3		last name)	Exhibit N (McClear	າ) p.2	
				2005, from Parcel E PCB Hot spots - After lunches and breaks, belt speed running at excessive speed, reducing the frequency of alarms greatly (vs. hourly before at the proper speed). After some weeks, the speed became locked ata speed well above standards. McClean was laid off late 2005. In early 2006, he returned and discovered the Navy had discovered the excessive speed. The			
77	51	1		conveyor belt system was shut down.	Exhibit N (McClear	າ) p. 3	
23	52	1	1	Orders were given to take samples "from anywhere" instead of from the proper Radiation Screening Yard (RSY) samples	Main text p. 28	11	1

				Padiation Screening Vards Jana Taylor, Arthur Jahr, Samantha			
25	52	3		Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha Taylor, Kari Guidry, Thorpe Miller, Bryan White	Main text, pp.	11	1
23	32	3		Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil	waiii text, pp.	11	_
				removed. 10 CY of soil were remediated as containing radioactive			
26	52	2		and chemical contamination.	Main text, p. 2	11	1
				RSY samples collected in locations that intentionally avoided the			
				high radioactivity locations and were allowed to be reused as			
27	52	1	1	backfill.	Main text, p. 2	11	1
22	F.2	4		2009 Jane Taylor assigned to oversee all RSY activities, Thorpe	Fullible A / Davis	11	4
32	52	4		Miller	Exhibit A (Bow	11	1
				Backfill material had been cleared by Jane Taylor and Thorpe			
				Miller, but a Shaw contractor discovered a radiological object			
				(button) in it with millirem/hour levels so high they were			
35	52	1	1	inappropriate for the Ludlum detector used	Exhibit A (Bow	11	1
				2005 Susan Andrews stated Justin Hubbard complained she was			
				performing surveys too carefully and slowly and moved her to the			
48	52	4	1	portal monitor	Exhibit C (Andr	11	1
				land Taylor middinated laborate as to the contract languing from			
				Jane Taylor misdirected laborers as to the correct location from which to collect soil samples. Entire crew tasks were not being			
				coordinated properly. Samples were taken from an incorrect grid			
51	52	1	1	and were recorded and labeled errneously.	Exhibit C (Andr	11	1
				Jane Taylor scanned the soil on the RSY pad at a much faster speed	`		
52	52	1	1	than is required to get proper results.	Exhibit C (Andr	11	1
				Jane Taylor in charge of RSY pads late 2010 or early 2011. After			
				that frequency of failing the Portal Monitor screening increased			
56	52	4		dramatically.	Exhibit C (Andr	11	1
				Andrews suspected the soil used as backfill was done more poorly			
5 7	F2	1	1	than the soil going offsite since there was no check to be sure it	Fyhihit C (Andr	11	1
5/	52	1	1	was being done right	Exhibit C (Andr	11	1
				Andrews stated that after switching to fixed price contracts, Tetra			
				Tech made more money the less they had to do with the soi. It			
58	52	1	1	also made the Navy happy that the process was moving along.	Exhibit C (Andr	11	1
				RSY number 2 Jane Taylor and the laborers she trained couldn't use	· ·		
66	52	2	1	radiation detection scanners properly	Exhibit D (Jack:	11	1
				RSY-2 laborers missing the required number of samples. Taylor			
				told them to go get a sample "from anywhere." They went behind			
67	5 2	2	4	the Conex to another pad and got an unrelated "false" sample.	5 htha 5 /h.d.	44	4
67	52	2	1	Allen and Reggie RSY-2 laborers missing the required number of samples. Taylor	Exhibit D (Jack	11	1
				told them to go get a sample "from anywhere." They went behind			
				the Conex to another pad and got an unrelated "false" sample.			
67	52	3		Allen and Reggie	Exhibit D (Jacks	11	1
				soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4			
69	52	2	1	hundreds of times	Exhibit D (Jack:	11	1
				soil surveys for gamma too fast at RSY-2, RSY-3, and RSY-4			
69	52	4		hundreds of times	Exhibit D (Jack:	11	1
				8/2010, Jane Taylor and her laborers were swinging the Ludlum			
75	52	1	1	sensors at a heigh and speed that were both far excessive so the sensors were largely ineffective	Exhibit E (Jahr)	11	1
75	32	_	-	Unqualified workers who did not understand health risks of	Exhibit E (Jahr)	11	1
				exposures could have been exposed, swung detectors too high and			
24	53	1	1	too fast	Main text pp. 2	11	1
				2011 trucks with soil from RSY pads frequently failing portal			
<i>-</i> =		_		monitor screening. In September, 2011, the sensitivity was			
28	60	1	1	reduced by 2/3 and discontinued hand-scanning.	All 37 truckloads Main text, pp.	11	1
33	60	4		Trucks failing portal monitor 2010 - 2011	Exhibit A (Bow	11	1
				Less expensive for Tetra Tech to have the soil falsely cleared for			
				use as backfill than to have the soil repeatedly subjected to			
				remediation of rad contam and time and cost of separating non			
34	60	1	1	emplacted soil from what needed to be shipped to LLRW landfills.	Exhibit A (Bow	11	1
				April 2009, Adam Berry discovered Dennis McWade allowed truck			
				to exit the base even though the Portal Monitor had alarmed.			
36	60	1	1	McWade told staff to stop surveying the truck.	Exhibit A (Bow	11	1
				April 2000 Adams Downs discoursed Decision Adams III			
				April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had alarmed.			
36	60	4		McWade told staff to stop surveying the truck.	Exhibit A (Bow	11	1
50	00	7			EVIIIDILY (DOM	**	1

37	60	3		Portal Monitor failing - Adam Berry, Dennis McWade, Bert Bowers early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt	Exhibit A (Bow	11	1	
				system. Smith assigned to help scan the soil that remained. They scanned soil 2-3 ft thickness so sensor ineffective for rad contam below 6 inches deep. Then the soil that cleared this screening set				
47	60	1	1	off portal monitor early spring of 2006 Thousand plus cubic yards of soil still remain in piles that had been improperly cleared by the conveyor belt system. Smith assigned to help scan the soil that remained. They	Exhibit B (Smit	11	1	
				scanned soil 2-3 ft thickness so sensor ineffective for rad contam				
				below 6 inches deep. Then the soil that cleared this screening set				
47	60	4		off portal monitor	Exhibit B (Smit	11	1	
				2005 Susan Andrews stated Justin Hubbard complained she was				
49	60	4	1	failing too many trucks going through the portal monitor	Exhibit C (Andr	11	1	
		•	_	Prior to Sept 2011 every failed soil load was required to be sent			_	
50	60	4		back to the RSY pads to be reworked.	Exhibit C (Andr	11	1	
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3				
				sigma plus mean background to 8 sigma plus mean background. The claim was that was to address aluminum trucks with naturally				
59	60	1	1	occurring radiation. But most trucks were steel, not aluminum.	Exhibit C (Andr	11	1	
33		_	_	Security in the security of the security in th	Exhibit 6 (Allah		-	
				9/2011 Tetra Tech changed the Portal Monitor sensitivity from 3				
				sigma plus mean background to 8 sigma plus mean background.				
50	60			The claim was that was to address aluminum trucks with naturally	5 1 11 11 6 / 6 1	4.4		
59	60	4		occurring radiation. But most trucks were steel, not aluminum. Before 9/2011, when portal monitor failed, scanning sides of the	Exhibit C (Andr	11	1	
				truck seldom showed hits, only found hits by standing on				
				scaffolding and scanning by hand over the top, After 9/2011, Tetra				
60	60	1	1	Tech discontinued scanning by hand.	Exhibit C (Andr	11	1	
				Tetra Tech hosed down trucks before they entered portal monitor.				
61	60	1	1	Water could shield radiation	Exhibit C (Andr	11	1	
				Radiological Control Areas (RCA's) not controlled per requirements				
				patterns & practices employees doing work in areas w/rad				
20	70	1		contamination without notifying Rad Safety Officer, locks not		4.4	4	
39	70	1		secured, boundaries repositioned, drinking fountains inside RCAs		11	1	
40	70	2	1	Locations - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bow	11	1	
41	70	4		Dates - RCA's not controlled - specific dates and location	Building 217 not Exhibit A (Bow	11	1	
				Smith said mid-2008 began false soil sampling, incomplete building				
				surveys, falsification of chain-of-custody forms. Prior to 2008 NEW				
				was holder of NRC rad license. Tetra tech became the NRC license holder about that time that improper rad practices became a				
43	70	4		regular event	and as a result T Exhibit B (Smit	11	1	
				2010 -2011 People left RCA without being frisked 10 times. In				
				10/2011, Luis and Alfredo (last names unknown) were pounding				
				dirt for radioactive sample testing using a mortar and pestle with				
54	70	1		bare hands and not wearing face masks	Exhibit C (Andr	11	1	
				Maybe Bldg 271 area next to elevator shaft was separated into 2				
				sections. One was fenced off. Jars of every sample that had been				
				tested by the lab since the beginning of work at HPNS were				
				stacked. Jars in the lower stacks had gotten crushed by jars on the				
				higher stacks and were leaking potentially radioactive dirt onto the				
55	70	2	1	floor of the area. Laborers were stepping into the radioactive dirt, which could spread into clean areas.	Exhibit C (Andr	11	1	
33	70	2	1	July 2011 Jane Taylor instructed Curtis (driver of EM truck) to	Exhibit C (Andi	11	1	
				remove ropes demarcating an RCA-RMA and ignore requirement				
				for frisking in an area where radioactive containers were stored				
62	70	2		above ground in an RCA-RMA	Exhibit C (Andr	11	1	
				August 2011 covering Work Area 33. Hank construction worker				
63	70	2		removed rad posting from RCA in areas known to have high levels of radioactive contamination.	Exhibit C (Andr	11	1	
U.S	70	۷		or radioactive contamination.	LAHIDIL C (AHUI	11	1	
				A radioactive source was captured at RSY 4. 2 Untrained field				
				workers delivered it to a secure lockup area. Taylor tried to handle				
65	70	1		this in an unsafe manner contrary to official procedures	Exhibit C (Andr	11	1	

71	70	1		workers ate and drank fluids within RCA's. Near an intermodal container around RSY2, it was a windy day yet all the laborers were working downwind of the container, potentially exposing workers In 2010, in RSY-2 Barrels containing rad contamination were opened in a way that could have spread contents into non-rad impacted areas. They later were removed, and Jahr suspected by	Exhibit E (Jahr)	11	1
73	70	2	1	improper means.	Exhibit E (Jahr)	11	1
				Fencing surrounding an RCA was removed to allow construction			
74	70	1		crew access while avoiding the control point	Exhibit E (Jahr)	11	1
29	99	4	1	After contract changes nore frequent discrepences, going from one incident per 6 weeks to every 2 weeks to more than once a week.	Exhibit A (Bow	11	1
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on			
68	99	1	1	the clean pad or the other way around next RSY-2	Exhibit D (Jacks	11	1
				Keith Tisdale, laborer said Jane Taylore commonly put dirty soil on			
68	99	2		the clean pad or the other way around next RSY-2	Exhibit D (Jacks	11	1
							11